

FLAME RETARDANT RUBBER COMPOSITION**Publication number:** JP1223141 (A)**Publication date:** 1989-09-06**Inventor(s):** AKAISHI FUMIO**Applicant(s):** FUJIKURA RUBBER LTD**Classification:****- international:** *C08K3/22; C08K3/00; C08K3/18; C08K3/32; C08L21/00; C08K3/00; C08L21/00;*
(IPC1-7): C08K3/22; C08K3/32; C08L21/00**- European:****Application number:** JP19880048224 19880301**Priority number(s):** JP19880048224 19880301**Abstract of JP 1223141 (A)**

PURPOSE:To obtain a composition which is a mixture, containing a halogen-free rubber, specific resin component, phosphate compound powder which is a solid at ordinary temperature, etc., hydrated metallic oxide powder and inorganic filler in a specific proportion and leaving a solidifiable combustion residue after combustion without emitting toxic gases during the combustion. **CONSTITUTION:**The objective composition which is a mixture, containing (A) 50-100pts.wt. rubber (e.g., natural rubber or styrene-butadiene copolymer) without containing a halogen element in the molecule, (B) 5-50pts.wt. resin component (e.g., ethylene-vinyl acetate resin) consisting essentially of a thermoplastic resin or elastomer having double bonds, (C) 5-150pts.wt. phosphate compound powder which is a solid at ordinary temperature (e.g., orthophosphate) or frit (e.g., phosphate frit) and (D) 10-200pts.wt. inorganic filler (preferably magnesium hydroxide) and leaving a solidifiable combustion residue after combustion.

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